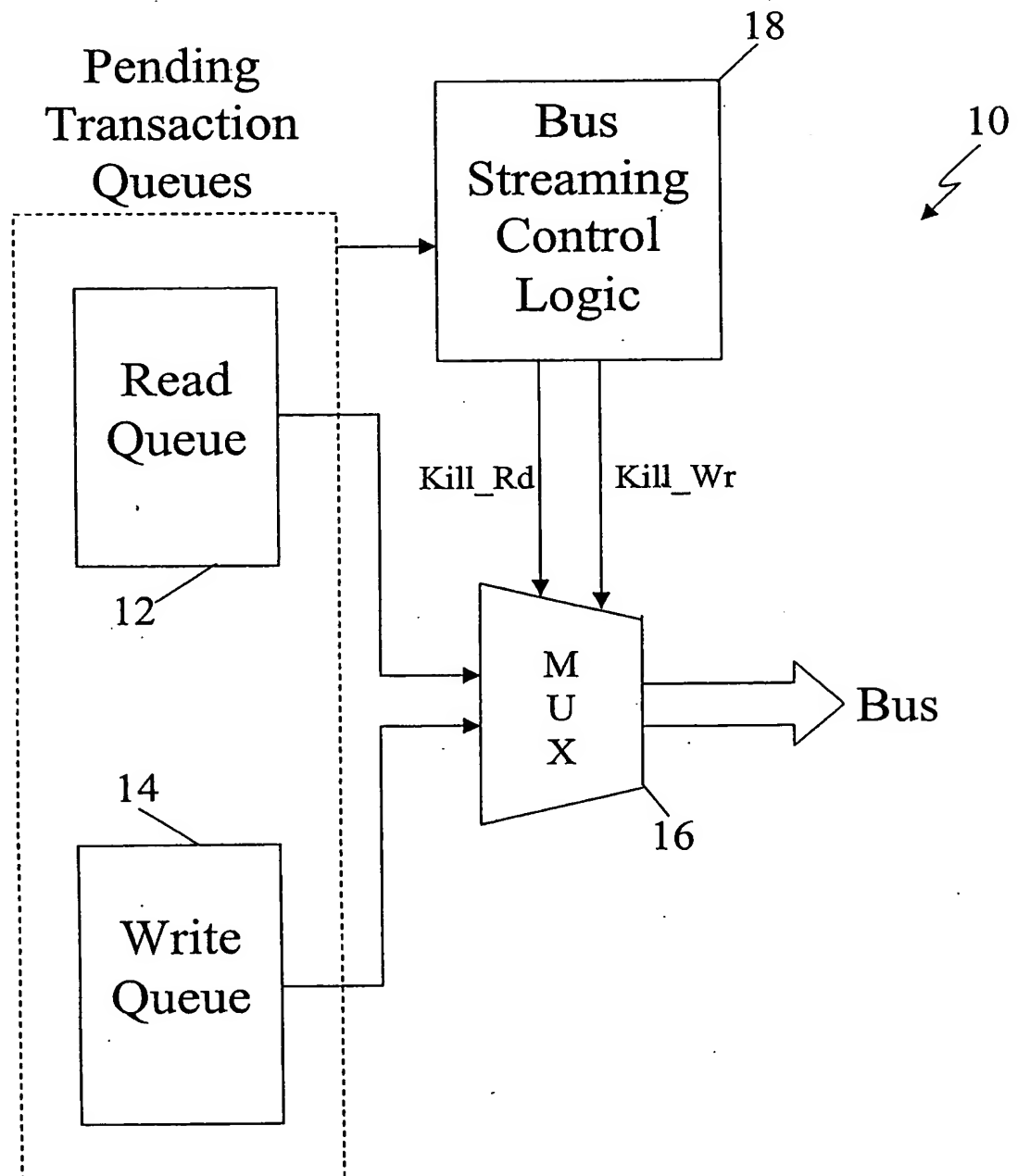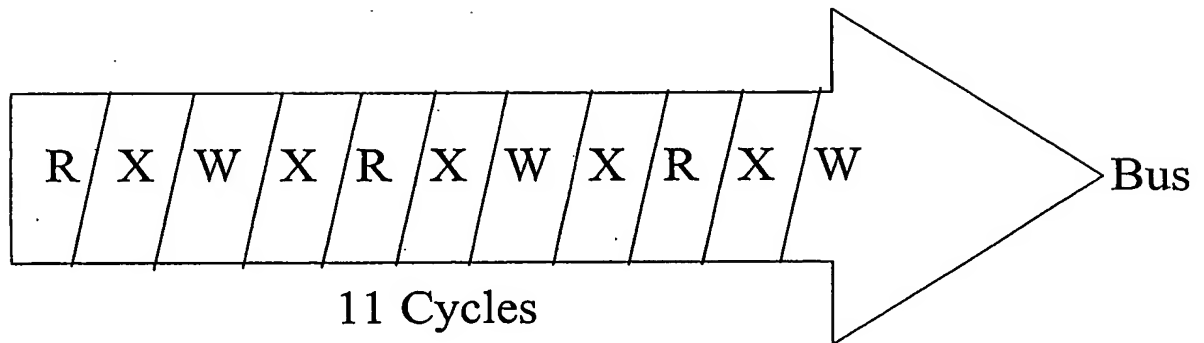Fig. 1

Fig. 2

R / X / W / X / R / X / W / X / R / X / W → Bus

11 Cycles

R = read
W = write
X = bubble

Fig. 3

R / R / R / X / W / W / W → Bus

7 Cycles